

ST. MARY'S COLLEGE (Autonomous)

Re-accredited with 'A+' by NAAC (4th Cycle)

Thoothukudi- 628001, Tamil Nadu

PG & Research Department of Mathematics

NEWSLETTER

Academic year 2020-2021

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Assistant Professor of Mathematics

Ms. Anbu Rajammal

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HoD's Message

Welcome to the Department of Mathematics!

The Department of Mathematics is one among those that were established during the inception of St. Mary's College (Autonomous). The Department ha' proved its excellence in a short period by'demonstrating leadership in the areas of Pure and Applied Mathematics. The faculty members regularly publish Research Papers in International Journals with high Impact Factors. The faculty train the students with strong Fundamentals of Theory and Practice of Mathematics. Mathematics and Statistics form the backbone of knowledge enhancement for Scientists and Engineers.

With Regards

Dr. P. Anbarasi Rodrigo

Co-ordinator & Assistant Professor of Mathematics

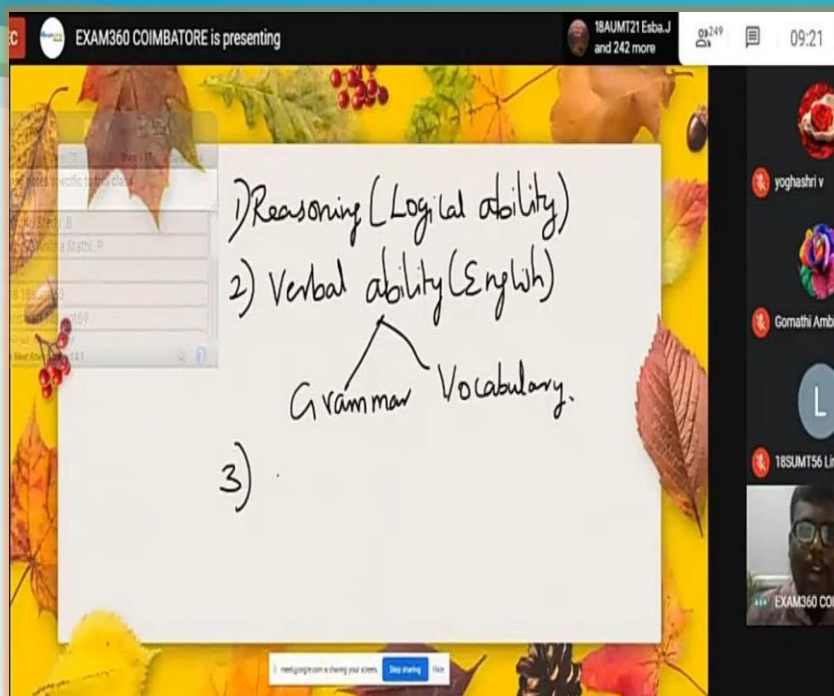
Activities of the Association

The PG and the Research Department of Mathematics unfurled its activities for the year 2020-2021 with renewed spirit and vigour. On 9th October the office bearers of the Mathematics Association were elected under the guidance of Dr. P. Anbarasi Rodrigo Associate professor of Mathematics and staff members.

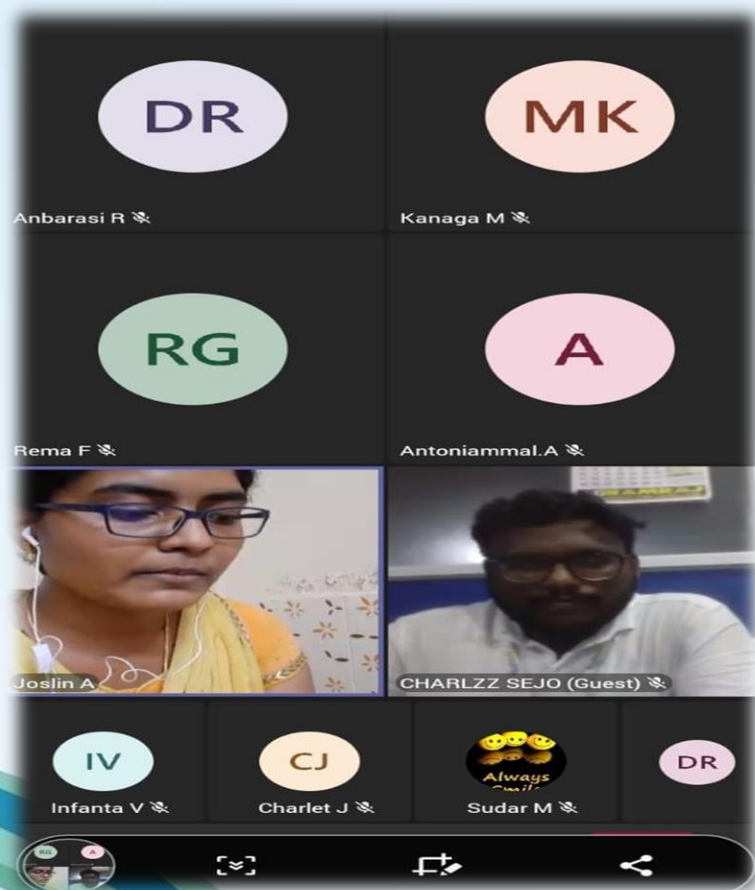
Ms. **R. Jeyashri** of II M.Sc Mathematics Ms. **L. Deeba** of III B.Sc Mathematics and Ms. **S. Vishnu Rithi** of III B.Sc Mathematics were elected as the President, Vice-President and Secretary respectively.

On 17th December 2020, an Webinar on “Innovative Minds Makes Wonder” was organized. **Mr.D.Senthil Kannan, Founder and Director of PALMS**. A participants comprising of professors and students benefitted through this Webinar.

On 13th October 2020, an motivation Speech “Life After Graduation” was organized. **S.Arockia Charles Master Trainer, Exam 360 Coimbatore**. A participants comprising of students benefitted from the programme.



Life After Graduation, S.Arockia Charles Master Trainer, Exam 360 Coimbatore.



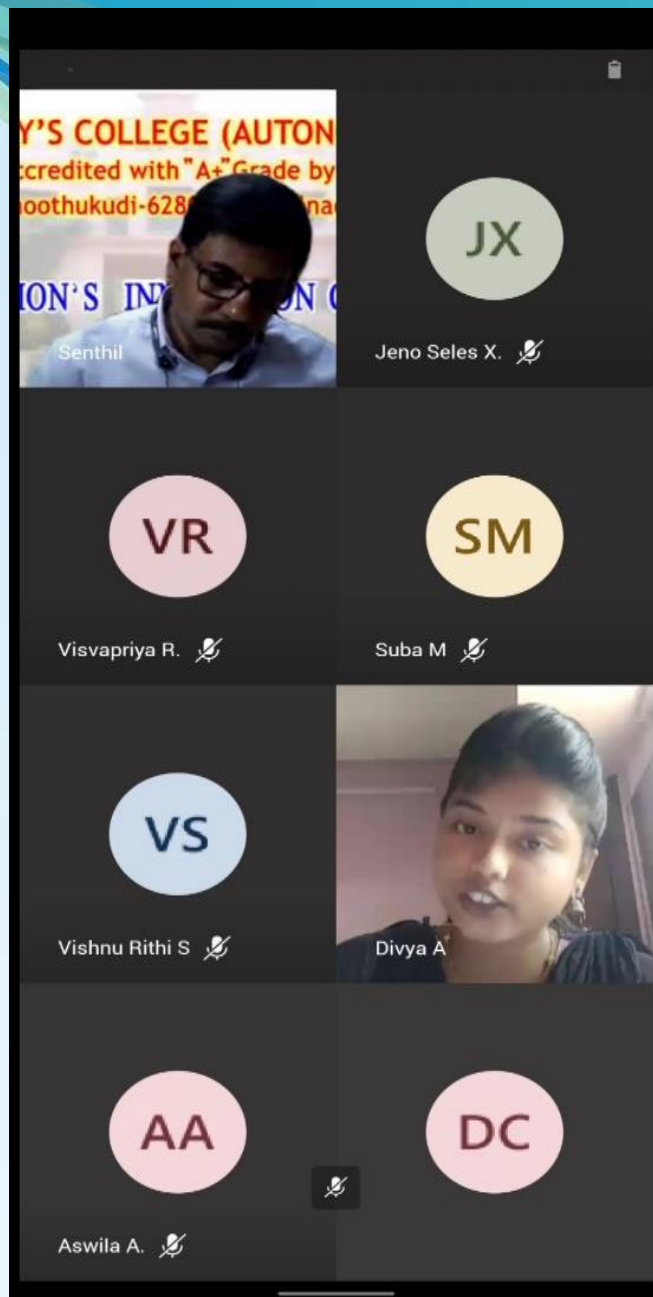
Life After Graduation, S.Arockia Charles Master Trainer, Exam 360 Coimbatore.

On 25th March 2021, “Vertex Fixed Geo-domination Graphs” was organized. **Dr.P.Titus, Head and Associate Professor of Mathematics, University College of Engineering, Nagercoil** A participants comprising of students benefitted from the programme.

On 29th March 2021, “A Session to gain insight into the Agnel Investment for Entrepreneur” was organized. **Mr.D.Senthil Kannan, Founder and Director of PALMS.** A participants comprising of students benefitted through this Session.



Vertex Fixed Geo-domination Graphs,
Dr.P.Titus, Head and Associate Professor of
Mathematics, University College of
Engineering, Nagercoil



A Session to gain insight into the Agnel
Investment for Entrepreneur, Mr.D.Senthil
Kannan, Founder and Director of PALMS.

Mentor Mentee System

On 3.9.2021 Mentor Mentee meetings was organised regarding Mentor-Mentee allocation. The entire faculty attended the meeting and enrolled their Mentees as per the allocation. Regular academic progression and psychological development of the students were monitor.

Certificate Course

Quantitative Aptitude and Numerical Ability was offered as Certificate Course by the Department of Mathematics (SSC) from 14 December 2020 – 19 January 2021 to the III year B.Sc. Maths SSC (Section A & B) students. **Mr. Sundar** and **Mrs. Valli** were the Instructors and the course was held after the regular college hours from 2.30 pm to 4 pm. The students were made to appear for a written test at the end of the programme and certificates were issued with Grade levels according to their percentage of attendance.

Board Studies

Board of studies meeting of the Department of Mathematics was conducted on 27.02.2021 at 10.am in the Guest House of St. Mary's college (Autonomous), Thoothukudi. The subject experts of the board were

Dr. A. Punitha Tharani

Controller of Examinations, St. Mary's college (Autonomous), Thoothukudi.

The Syllabus was designed in the pattern of Outcome Based Education with Choice Based Credit System. The board acknowledged and approved the set pattern.



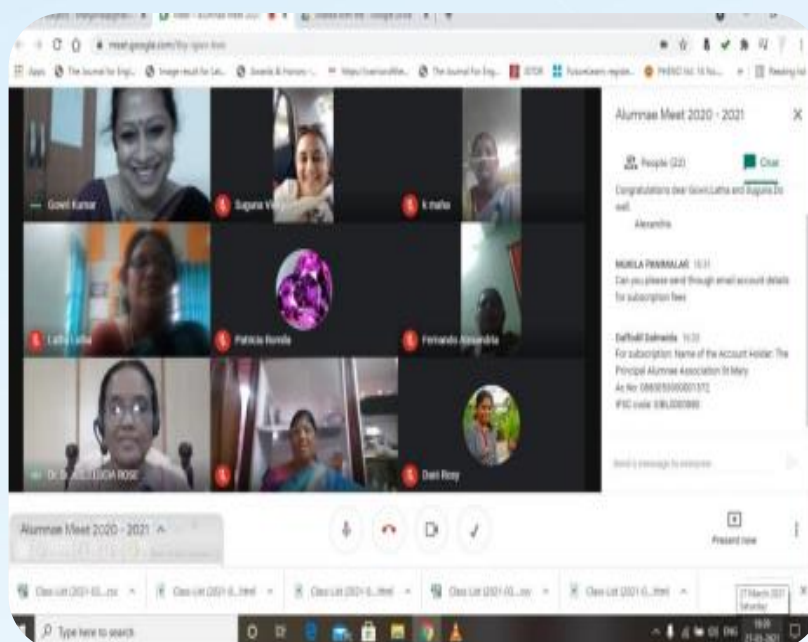
PTA and Alumnae

The Parents Teachers Association of St. Mary's College (Autonomous), Thoothukudi conducted its first meeting for the academic year 2020-2021 through online mode on 24th August 2020. Parents of I UG participated in the meet. On behalf of management, various Head of the Departments along with one staff member from each Department issued mark statements from 18th March to 24th March 2021.

The fourth meeting of Chennai chapter was held on 27th March 2021 via Google meet platform and Youtube. **Mrs. Griselda**, Head Mistress, The Vikasa School, Thoothukudi was the Chief Guest. Nearly 50 alumnae gathered. **Mrs. Latha Solomon**, Coordinator of Chennai Chapter 2020-2021 welcomed the gathering.



PTA Meeting



Alumnae 2020 – 2021

Research Activities- Faculty

Name	Publication- Journal	Publication -Book	Conference	Seminar	Workshop	FDP
Dr. P. Anbarasi Rodrigo	16	3				
Dr. C. Reena	3					1
Dr. R. Maria Irudhaya Aspin Chitra						2
Ms. J. Jenit Ajitha			3		2	
Ms. P. Suganya						1
Ferdina	2		3			
Total	21	3	6		2	4

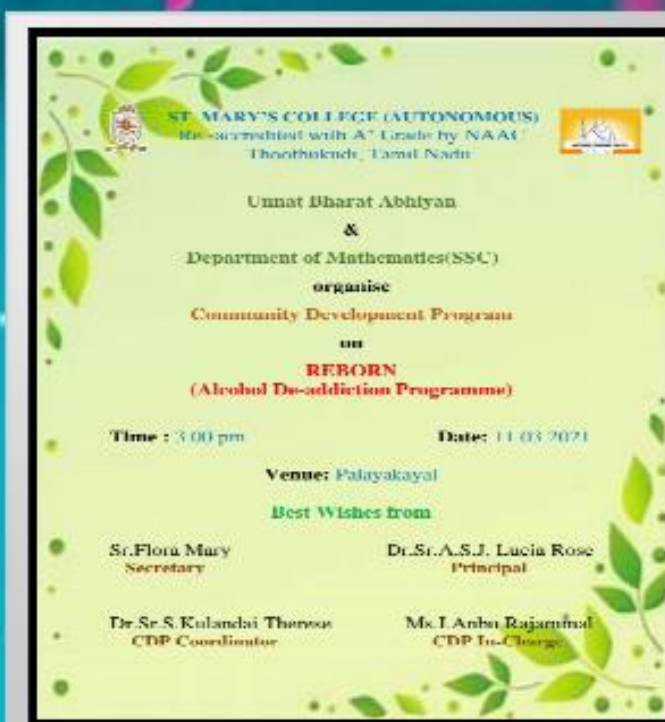
CDP Report

The CDP visit to Palayakayal was on 25.01.2021, with the group of students from Mathematics organized Awareness of Voting. The meeting was held in Palayakayal. The students of giving awareness speeches about Voting.



Community Development Programme

Unnat Bharat Abhiyan and Department of Mathematics (SSC) together with Palayakayal Parish organized a Community Development Programme on 11.03.2021 on the title REBORN(Alcohol De-addiction Programme) at Palayakayal. Brother Alex addressed the gathering about how to handle and treat alcoholic patients and to De-addict and save them from alcohol. Students from II B.Sc. Mathematics (SSC) actively participated in the meeting and there was a rally by our students around the streets of Palayakayal and tracts were distributed by them.



IIC Report

Institution's Innovation Cell and the Department of Mathematics (SSC) jointly organised a Webinar on the Topic "Innovation minds make wonders" on 17.12.2020 for the students of the Mathematics Department (SSC). **Dr. S. Jackson, Assistant Professor of Mathematics, V.O.Chidambaram Collage, Thoothukudi** was the resource person. The meeting was very informative and interactive and many thought provoking ideas were given to the students.

Institution's Innovation Cell and the Department of Mathematics (SSC) jointly organised a A session to gain insight into the Angel Investment for Entrepreneurs on 29 March 2021. **Mr. D. Senthil Kannan B.Com., MBA., Founder and Director of PALMS**, Pearlcity Acadamey for Leadership and Management Skills, Thoothukudi was the resource person. The meeting was very informative and interactive and many thought provoking ideas about Angel Investment and investors were given to the students to make them an Entrepreneur.

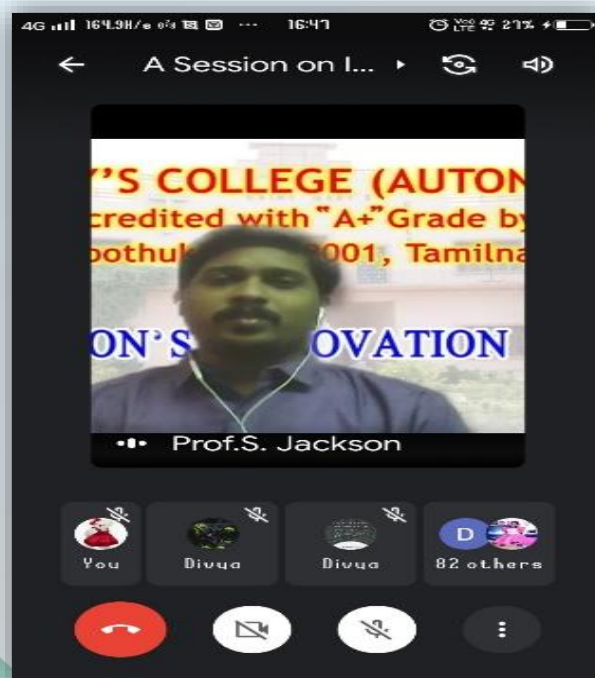
The following students are the prize winners

1st prize: A. Anitha Absara, II B.Sc Mathematics, 2nd prize: B. Santhana Mari, II B.Sc Mathematics 3rd prize: M. Sri Padmavalli, II B.Sc Mathematics.

E-Certificates were distributed to all participants.



Innovation minds make wonders, on 17.12.2020 for the students of the Mathematics Department (SSC). **Dr. S. Jackson, Assistant Professor of Mathematics, V.O.Chidambaram Collage, Thoothukudi**



Students Activities

During the academic year 2020-2021, the students demonstrated exceptional performance across various co-curricular, extra-curricular and sports competitions and events at different levels. Here's a detailed account of their achievements:

Mary Priyadharshini participated in National Level Quiz held at Shri Guru Ram University on July 10, 2020 and also participated in E- Quiz on Easy Mathematics organized by Govindhammal Aditanar College for Women, Thiruchendur on July 15, 2020.

S. Sundar Muthu participated in National Level Quiz held at Shri Guru Ram University on July 10, 2020.

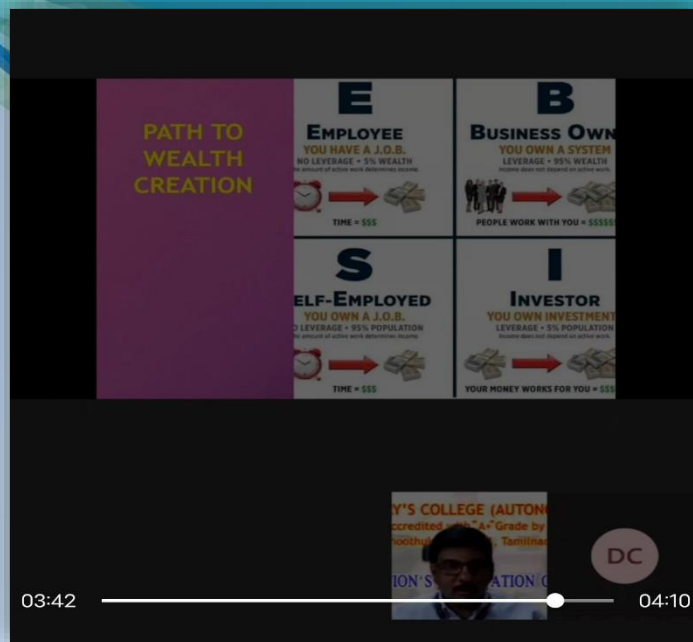
On October 17, 2020, **Crosslin Niranjana. A** attended a Seminar on Library and Information Centre and IQAC organized by A.V.C College (Autonomous), Mayiladuthurai.

III B.Sc Mathematics participated in the range of events such as the **“Lead to Hope event”** on March 05, 2021 organized by St. Mary's College (Autonomous), Thoothukudi. Nearly 4 students and staff participated and benefitted from the events.

B.Sc Mathematics Student participated in the range of events such as the **“Internshala”** event on March 13, 2021 organized by St.Mary's College (Autonomous), Thoothukudi. Nearly 30 students and staff participated and benefitted from the events.

B.Sc Mathematics Student participated in the range of events such as the **“Marian Star Programme 20”** by Department of Tamil at St.Mary's College (Autonomous), Thoothukudi on April 16, 2021. Nearly 12 students and staff participated and benefitted from the Programme.

III B.Sc Mathematics participated in the Webinar such as **“Application of Mathematics”** organized by Department of Mathematics at St. Mary's College (Autonomous), Thoothukudi on May 05, 2021. Nearly 65 students and staff participated and benefitted from the webinar.

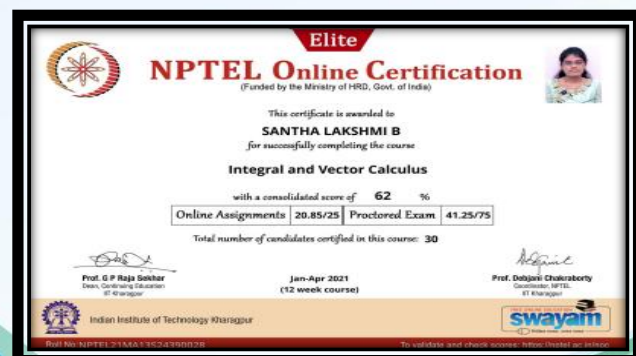
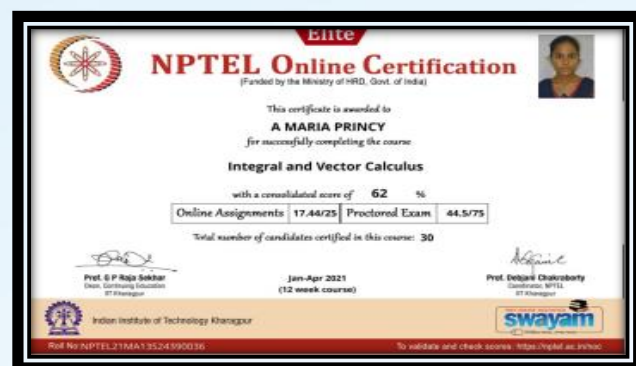


A session to gain insight into the Angel Investment for Entrepreneurs on 29 March 2021. **Mr. D. Senthil Kannan B.Com., MBA., Founder and Director of PALMS**, Pearlcity Acadamey for Leadership and Management Skills, Thoothukudi

MooC and NPTEL

The students of II M.Sc. Mathematics attended MooC course titled, **Integral and Vector Calculus** with subject code noc21-ma13 in the duration of 12 weeks (Jan – Apr 2021)

S. No	Reg. No	Student Name	Status
1	20SPMT01	Abi Priyanka M	Elite
2	20SPMT04	Buvaneswari S	Completed
3	20SPMT05	Dhana Lakshmi S	Completed
4	20SPMT06	Divine Antonita A	Completed
5	20SPMT10	Janaki B	Completed
6	20SPMT12	Jenefa Joy Pushpa W	Completed
7	20SPMT13	Jose Rithika V	Completed
8	20SPMT14	Joslin Amala	Elite
9	20SPMT16	Maria Danstila S	Completed
10	20SPMT17	Maria Princy A	Elite
11	20SPMT18	Mesitha Esther W	Completed
12	20SPMT19	Muthulakshmi C	Completed
13	20SPMT20	Rajakumari G	Completed
14	20SPMT21	Raxi R	Completed
15	20SPMT22	Rema Fernando G	Completed
16	20SPMT23	Ruby Silviya H	Completed
17	20SPMT24	Santha Lakshmi B	Elite
18	20SPMT25	Selva Jothi N	Completed
19	20SPMT26	Sherin Priscilla Poomani	Completed
20	20SPMT28	Vennila W	Completed



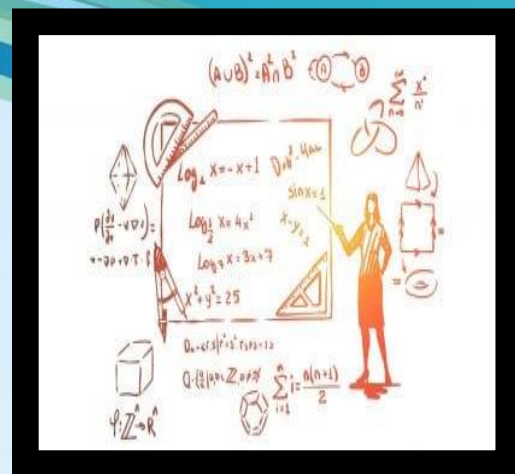
PG Project

A total of 28 postgraduate students of II M.Sc. Mathematics submitted the projects.
The details are as follows:

Reg No.	Name of the Candidate	Project Title
19SPMT01	C. Amutha	Vague Set
19SPMT02	R. Angel	A Study On Fuzzy Soft Ideals In Near Rings
19SPMT03	N. Arockia Shegali	The Study On Difference Types Of Labelling
19SPMT04	A.Aswila	Vertex And Super Vertex –Magic Labeling
19SPMT05	P. Christina Carolin	A Study On Domination In Graphs
19SPMT06	S. Christy Lizy	A Study On Cubic Weak Bi-Ideals Of Near Rings
19SPMT07	S. Crena	A Study On Extension Edge Graceful Labeling
19SPMT08	T. Diyana Jude	Super Mean Labeling
19SPMT09	N. Jeba Priyadharshini	Prime Cordial Labeling
19SPMT10	X. Jeny Seles	Graceful Colouring Graphs
19SPMT11	R. Jeyashri	A Study On Difference Cordial Labeling In Graphs
19SPMT12	T. Kanthimathi	Radio Labeling
19SPMT13	K. Karbagaselvi	A Study On Concept Of Intuitionistic Fuzzy In Gamma – Near Ring



19SPMT14	T. Kavitha	Boolean Like Gamma Near-Rings
19SPMT15	R.Krency	Q- Fuzzy Normal Subgroups
19SPMT16	W. Maria Infant Mounisha	Prime Ideals In Gamma Near –Rings
19SPMT17	P. Maria Joel	A Study On Pendant Domination In Graphs
19SPMT18	A. Mary Thangam	Soft Topology
19SPMT19	M.Mugesh Priya	Modern Cryptography
19SPMT20	G. Padmapriya	Dual Graphs
19SPMT21	P. Poovinshal	Matrix Groups And Their Lie Algebras
19SPMT22	P. Priyatharshini	Alpha-Q-Fuzzy Subgroups
19SPMT23	S. Sowmiya	(Alpha,Beta) And O- Anti Fuzzy Subgroups
19SPMT24	K. Subashini	Convergence Of Fuzzy Filters And Fuzzy Nets
19SPMT25	S. Subhalakshumi	A Study On Near- Rings
19SPMT26	P. Subithra	L –Fuzzy Ideals
19SPMT27	R. Visvapriya	Tensor Algebra
19SPMT28	K.S. Yaamini	A Study On Mean Cordial Labeling And Geometric Mean Cordial Labeling Of Graphs



III UG and II PG Pass

III B.Sc. Mathematics	93.54%
II M.Sc. Mathematics	100%

Placement

Name Of The Students Placed	Name Of The Employer With Contact Details	Program Graduated From
B. Muthumari veni	Natarajan (Branch Manager)	B.Sc.
G. Subbulakshmi	Nurse Assistant, Malar Hospital.	B.Sc.

Name Of The Students Placed	Name Of The Employer With Contact Details	Program Graduated From
R. Jeyashri	Teacher, Holy cross home science matriculation school.	M.Sc
M. Mugesh priya	Admin, DHL broadband Net, Near BSNL Excahnge Office, W.G.C Road, Thoothukudi.	M.Sc
K. Subashini	Office Administrator, Sri Vinayaga Driving School, No 5 Aysha Complex, Thoothukudi.	M.Sc

Higher Education



The table below displays III B.Sc. Mathematics students future plans for higher education.

Reg No.	Name	Name of the program admitted	Name and Place of the Institution Joined
18SUMT03	M. Bency	M.Sc. Mathematics	St. Mary's College Autonomous, Thoothukudi
18SUMT05	A.Dasnavis Snovitha	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT07	A. Divya	CMA	Institute of cost accountant of India, Kolkata
18SUMT29	S. Rajeswari	M.Sc. Mathematics	A.P.C .Mahalaxmi college for Women, Thoothukudi
18SUMT35	S. Shanthini	MBA	PSNA College of Engineering and Technology, Dindugal
18SUMT38	S.Sudar Muthu Lakshmi	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT39	B. Sudha	M.Sc. Mathematics	St. Mary's College Autonomous, Thoothukudi
18SUMT40	R.Swathini.	M.Sc. Mathematics	St. Mary's College , Thoothukudi
18SUMT41	S. Uma devi	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT43	A. Virgin	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT51	J.Abigal Laz shilba	M.Sc. Mathematics	St. Mary's College Autonomous, Thoothukudi
18SUMT52	K. Amritha	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT54	G. Anantha Jothi	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT55	J. Ashika Subithra	M.Sc. Mathematics	St. Mary's College Autonomous, Thoothukudi
18SUMT56	T. Ashish Praisly	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT57	B. Depika	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT60	T. Haripriya	M.Sc. Mathematics	St. Mary's College Autonomous, Thoothukudi
18SUMT63	A. Kiruba	M.Sc. Mathematics	St. Mary's College , Thoothukudi
18SUMT64	S. Kodesware	MCA	The American College, Maurai
18SUMT65	B.Lakshmi	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT67	S.Manju Parkavi	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT68	A. Maria Roslin Angel .M	M.Sc. Mathematics	Pope's college, Swayerpuram
18SUMT82	S. Sneha	M.Sc. Mathematics	St. Mary's College (Autonomous), Thoothukudi
18SUMT90	S. Vishnu Rithi	M.Sc. Mathematics	Sadakathullah appa college, Tirunelveli